

Contents of Volume 144

Vol. 144 Nos. 1–3

Use of the light-lever technique for the measurement of colloidal forces R.M. Pashley, M.E. Karaman, V.S.J. Craig and M.M. Kohonen (Canberra, Australia)	1
Acid/base and surface features of pure phase magnesia powders S. Ardizzone, C.L. Bianchi and B. Vercelli (Milan, Italy)	9
Effects of divalent cations on amino acid and divalent cation losses from and glycine influx into gills of freshwater bivalve molluscs <i>Anodonta californiensis</i> and <i>Corbicula manilensis</i> J.H. Swinehart, A.P. Giannini, D.A. Rosenbaum (Davis, CA, USA) and M.A. Cheney (New Brunswick, NJ, USA)	19
Relationship between the amount of fine particles and the maximum size of flocs in a weight equivalent suspension of quartz and fluorite S. Mori, T. Furuyama and T. Hara (Fukuoka, Japan)	27
Influence of surface charge on adsorption of a hydrophobic peptide onto a carbon surface by capacitance measurements P. Fievet, M. Mullet, J.C. Reggiani and J. Pagetti (Besançon, France)	35
Sorption properties of chromium(III) amorphous oxyhydroxides S.I. Pechenyuk, L.P. Kuz'mich, S.I. Matveenko and E.V. Kalinkina (Murmansk Region, Russia)	43
Characterization of aggregation phenomena by means of acoustic and electroacoustic spectroscopy A.S. Dukhin and P.J. Goetz (Mount Kisco, NY, USA)	49
Direct force measurement between hydrophobic glass sphere and covellite electrode in potassium ethyl xanthate solutions at pH 9.2 R.-H. Yoon and R. Pazhianur (Blacksburg, VA, USA)	59
Nucleophilic catalysis of hydrolyses of phosphate and carboxylate esters by metallomicelles. Facts and misconceptions P. Scrimin, P. Tecilla, U. Tonellato (Padova, Italy) and C.A. Bunton (Santa Barbara, CA, USA)	71
Magnetic resonance (FMR, EPR) of chromium dioxide supported on titania K. Köhler (Berlin, Germany), W. Mörke and T. Bieruta (Merseburg, Germany)	81
Kinetics of the isothermal spreading of tin on the air-passivated copper surface in the absence of a fluxing agent D.E. Peebles, H.C. Peebles and J.A. Ohlhausen (Albuquerque, NM, USA)	89
A closer look at an aggregation model of the Stöber process K. Lee, A.N. Sathyagal and A.V. McCormick (Minneapolis, MN, USA)	115
Comparative adsorption of natural and commercially available humic acids to river sediments S.J. Marshall (Cardiff, UK), W.A. House (Dorset, UK), N.J. Russell and G.F. White (Cardiff, UK)	127
Minimising the viscosity of concentrated dispersions by using bimodal particle size distributions R. Greenwood (Staffordshire, UK), P.F. Luckham and T. Gregory (London, UK)	139
Chemisorption of tertiary phosphines on coinage and platinum group metal powders. An infrared reflectance absorption spectroscopic, enhanced Raman spectroscopic and surface coverage study G. Westermark and I. Persson (Uppsala, Sweden)	149
Influence of calcium ions on creaming and rheology of emulsions containing sodium caseinate E. Dickinson and M. Golding (Leeds, UK)	167
Preparation of rhizobacteria-containing polymer microparticles using a complex coacervation method C. Amiet-Charpentier (Angers, France/Beaucouzé, France), J.P. Benoit (Angers, France), P. Gadille (Beaucouzé, France) and J. Richard (Angers, France)	179

Synergism in mixed monolayers of cationic and anionic surfactants. A thermodynamic analysis of miscibility at the air-water interface A.M. Gonçalves da Silva and M.I. Viseu (Lisboa, Portugal)	191
Adsorption of metal ion and aromatic compounds by anionic surfactant-coated particles of titanium dioxide K. Esumi, H. Hayashi (Tokyo, Japan), Y. Koide (Kumamoto, Japan), T. Suhara and H. Fukui (Yokohama, Japan)	201
Easy polymer latex self-assembly and colloidal crystal formation: the case of poly[styrene-co-(2-hydroxyethyl methacrylate)] A.H. Cardoso, C.A.P. Leite (Campinas, Brazil), M.E.D. Zaniquelli (Preto, Brazil) and F. Galembeck (Campinas, Brazil)	207
Adsorption of copper(II) and cobalt(II) complexes on a silica gel surface chemically modified with 3-amino-1,2,4-triazole N.L.D. Filho (Ilha Solteira-SP, Brazil)	219
Sources of error in Langmuir trough measurements. Wilhelmy plate effects and surface curvature P.B. Welzel, I. Weis and G. Schwarz (Basel, Switzerland)	229
Effect of temperature on the dynamic contact angle M. de Ruijter (Mons, Belgium), P. Kölsch (Berlin, Germany), M. Voué, J. De Coninck (Mons, Belgium) and J.P. Rabe (Berlin, Germany)	235
Adsorption of cellulose derivatives on inorganic oxides C.W. Hoogendam, I. Derks, A. de Keizer, M.A.C. Stuart and B.H. Bijsterbosch (Wageningen, The Netherlands)	245
A ring-opening reaction performed in microemulsions K. Anderson, J. Kizling, K. Holmberg and S. Byström (Stockholm, Sweden)	259
Surface complexation modeling of fluoride adsorption onto kaolinite R. Weerasooriya, H.U.S. Wickramaratne (Kandy, Sri Lanka) and H.A. Dharmagunawardhane (Peradeniya, Sri Lanka)	267
A gradient theory approach to line tension of liquid-liquid-fluid systems W. Qu, C. Yang and D. Li (Alberta, Canada)	275
Localisation of anchored polymers in lamellar liquid-crystalline dispersions by confocal microscopy J.C.G. Blonk, J.C. van de Pas, A. Visser and L.F. Brouwn (Vlaardingen, The Netherlands)	287
EPR studies of proteolytic enzymes in microemulsions S. Avramiotis, V. Papadimitriou, C.T. Cazanias and A. Xenakis (Athens, Greece)	295
A general approach for modelling complex fluids: its application to concentrated emulsions under shear X.-F. Yuan (Tokyo, Japan/Nagoya, Japan) and M. Doi (Nagoya, Japan)	305
Influence of Na^+ , Ca^{2+} on the thickness and free energy of dmpe foam films J.L. Toca-Herrera, H.-J. Müller (Berlin, Germany), R. Krustev, D. Exerowa (Sofia, Bulgaria) and H. Möhwald (Berlin, Germany)	319
<i>Author Index</i>	327
<i>Subject Index</i>	329
<i>Volume contents</i>	331